

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)	Docket Number 398032000220	Application Number 09/905,501
	Applicant James CHEN	
	Filing Date July 13, 2001	Group Art Unit 3762
	Mailing Date November 2, 2001	

U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
ROY	1.	06/12/1990	4,932,934	Dougherty et al.			
	2.	03/26/1991	5,002,962	Pandey et al.			
	3.	05/24/1994	5,314,905	Pandey et al.			
	4.	03/21/1995	5,399,583	Levy et al.			
	5.	08/29/1995	5,445,608	Chen et al.			
	6.	12/12/1995	5,474,765	Thorpe			
	7.	01/09/1996	5,482,698	Griffiths			
	8.	01/16/1996	5,484,803	Richter			
	9.	05/20/1997	5,630,996	Reno et al.			
	10.	12/30/1997	5,702,432	Chen et al.			
	11.	01/06/1998	5,705,518	Richter et al.			
	12.	04/07/1998	5,736,563	Richter			
	13.	06/16/1998	5,766,234	Chen et al.			
	14.	07/21/1998	5,782,896	Chen et al.			
	15.	09/01/1998	5,800,478	Chen et al.			
	16.	10/27/1998	5,827,186	Chen et al.			
	17.	11/03/1998	5,829,448	Fisher et al.			
	18.	06/22/1999	5,913,884	Trauner et al.			
	19.	01/18/2000	6,015,897	Theodore et al.			
Y	20.	05/09/2000	6,058,937	Doiron et al.			

FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO
ROY	21.	03/26/1986	EP 0 175 617	Europe			
	22.	01/07/1993	WO 93/00005	WIPO			

EXAMINER:

Roy D. Gibson

DATE CONSIDERED:

Mar. 20, 2003

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Form PTO-1449

Docket Number 398032000220

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INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

Applicant

James CHEN

Filing Date July 13, 2001

Group Art Unit 3762

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23.	12/09/1993	WO 93/24127	WIPO				
24.	03/31/1994	WO 94/06424	WIPO				
25.	11/30/1995	WO 95/32001	WIPO				
26.	11/06/1997	WO 97/40679	WIPO				
27.	11/26/1998	WO 98/52610	WIPO				
28.	07/26/1978	51-159879	Japan			YES	
29.	11/15/1982	57-185220	Japan			YES	

OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref. No.	Title
R. J.	30.	Casalini et al., (1997) "Tumor pretargeting: Role of avidin/streptavidin on monoclonal antibody internalization" <i>J. Nuclear Med.</i> , 38(9):1378-1381.
	31.	Chen, J. (1997) "Next generation light delivery system for multi-treatment extended duration photodynamic therapy (MED-PDT)" <i>SPIE</i> 2972:161-167.
	32.	Dillon et al., (1988) "In vitro and in vivo protection against phototoxic side effects of photodynamic therapy by radioprotective agents WR-2721 and WR-77913" <i>Photochemistry and Photobiology</i> 48(2):235-238.
	33.	Fisher, et al., (1997) "Simultaneous two-photon activation of type-1 photodynamic therapy agents" <i>Photochemistry and Photobiology</i> 66(2):141-155.
	34.	Kreimer-Birnbaum, M. (1989) "Modified porphyrins, chlorins, phthalocyanines, and purpurins: Second generation photosensitizers for photodynamic therapy" <i>Sem. Hematol.</i> 26:157-73.
	35.	Mew et al., (1983) "Photoimmunotherapy: treatment of animal tumors with tumor-specific monoclonal antibody-hematoporphyrin conjugates" <i>J. of Immunol.</i> 130(3):1473-1477.
	36.	Millson et al., (1996) "Ex-vivo treatment of gastric helicobacter infection by photodynamic therapy" <i>J. of Photochemistry and Photobiology</i> 32:59-65.
	37.	Nakatani, Y. et al., (1981) "Chemistry and biochemistry of Chinese drugs. VII. Cytostatic pheophytins from silkworm excreta, and derived photocytotoxic pheophorbides" <i>Chem. Pharm. Bull.</i> 29(8):2261-2269.
	38.	North et al., (1992) "Viral inactivation in blood and red cell concentrates with benzoporphyrin derivative" <i>Blood Cells</i> 18:129-140.
	39.	Ruebner et al., (1996) "Carrier systems in PDT II: Accumulation strategies of biotin-avidin coupled photosensitizers developed on cultured tumor cells" <i>SPIE</i> 2625:328-332.
	40.	Savitsky et al., (1997) "Avidin-biotin system for targeting delivery of photosensitizers and other cytotoxic agents into malignant tissues" <i>SPIE</i> , 3191:343-353.

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Form PTC-1449		Docket Number 398032000220	Application Number 09/905,501
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		James CHEN	
		Filing Date July 13, 2001	Group A Unit 3762
		Mailing Date November 2, 2001	

- | | |
|-----|--|
| 41. | Sigdestad et al., (1996) "Chemical modification of normal tissue damage induced by photodynamic therapy" <i>British J. of Cancer</i> 74(Suppl. 37):S89-S92. |
| 42. | Umemura, S. et al., (1996) "Recent advances in sonodynamic approach to cancer therapy" <i>Ultrasonics Sonochemistry</i> 3:S187-S191. |
| 43. | Wieman, T.J. (1999) "Photodynamic (PDT) of locally recurrent breast cancer (LRBC) with lutetium texaphyrin (Lutrin): a phase IB/IIA trial" <i>Program/Proceedings of American Society of Clinical Oncology</i> , 35th Annual Meeting, Atlanta, Georgia, Volume 18, page 111a, Abstract No. 418. |
| 44. | Wilder-Smith et al., (1999) "Photoeradication of helicobacter pylori in humans: phase I study" <i>AGA Abstracts: Gastroenterology</i> 116(4):A354, Abstract No. G1546. |
| 45. | Yamamoto, T. (April 10, 1975) "Suppression of tumors by the photodynamic action of phytochlorin sodium" <i>Medicine and Biology</i> 90(4):161-164, English translation and certificate of translation included, 4 pages. |
| 46. | Yamamoto, T. (December 10, 1974) "Effect of phytochlorin on transplantable cancer cells" <i>Medicine and Biology</i> 89(6):433-438, English translation and certificate of translation included, 7 pages. |
| 47. | Yamamoto, T. and Miyagawa, F. (1978) "Photoradiation therapy, phytochlorin and visible light" <i>Prevention and Detection of Cancer, Part 1, Prevention. Volume 2, Etiology-Prevention Methods</i> Proceedings of the Third International Symposium on Detection and Prevention of Cancer held April 26, 1976 in New York, NY, 1(2):1789-1802. |
| 48. | Yamamoto, T. and Miyagawa, F. (June 10, 1975) "Photodynamic effects on the nucleic acids of cancer cells sensitized by sodium phytochlorin" <i>Medicine and Biology</i> 90(6): 397-400, English translation and certificate of translation included, 4 pages. |
| 49. | Yumita et al., (1987) "Sonodynamically induced antitumor effect of gallium-porphyrin complex by focused ultrasound on experimental kidney tumor" <i>Japan J. Hyperthermic Oncology</i> 3(2):175-182. |
| 50. | Yumita et al., (1997) "Sonodynamically induced antitumor effect of gallium-porphyrin complex by focused ultrasound on experimental kidney tumor" <i>Cancer Letters</i> 112:79-86. |

COPY OF PAPERS
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FORM PTO-1449 (Modified)	ATTY. DOCKET NO. 25886-0055B	SERIAL NO. 09/905,501
	APPLICANT JAMES CHEN	
	FILING DATE July 13, 2001	GROUP 3762

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE
<i>RJG</i>	A	20	01	00	46	9	8	3	A1 11/29/01	Pandey <i>et al.</i>	514	185	12/18/00
	B	20	01	00	49	5	0	2	A1 12/06/01	Chen	604	167.06	11/25/98
	C	20	02	00	10	5	0	0	A1 01/24/02	Chen	607	89	06/24/98
	D	5	1	7	1	7	4	9	12/15/92	Levy <i>et al.</i>	514	410	06/20/91
	E	5	2	8	3	2	5	5	02/01/94	Levy <i>et al.</i>	514	410	09/11/92
	F	5	3	9	9	5	8	3	03/21/95	Levy <i>et al.</i>	514	410	01/25/94
	G	5	4	8	4	7	7	8	01/16/96	Kenney <i>et al.</i>	514	63	09/02/93
	H	5	4	8	4	8	0	3	01/16/96	Richter	514	410	02/02/95
	I	5	5	1	4	6	6	9	05/07/96	Selman	514	63	09/29/93
	J	5	5	7	1	1	5	2	11/05/96	Chen <i>et al.</i>	607	92	05/26/95
	K	5	7	1	5	8	3	7	02/10/98	Chen	128	899	08/29/96
	L	5	7	3	6	5	6	3	04/07/98	Richter	514	410	11/08/95
	M	5	7	4	1	3	1	6	04/21/98	Chen <i>et al.</i>	607	61	12/02/96
	N	5	7	6	6	2	3	4	06/16/98	Chen <i>et al.</i>	607	92	04/16/96
	O	5	7	7	0	7	3	0	06/23/98	Pandey <i>et al.</i>	540	472	03/08/96
	P	5	7	8	2	8	9	6	07/21/98	Chen <i>et al.</i>	607	88	01/29/97
	Q	5	8	0	0	4	7	8	09/01/98	Chen <i>et al.</i>	607	88	03/07/96
	R	5	8	0	7	8	8	1	09/15/98	Leong <i>et al.</i>	514	410	09/22/94
	S	5	8	1	4	0	0	8	09/29/98	Chen <i>et al.</i>	604	2	07/29/96
	T	5	8	1	7	0	4	8	10/06/98	Lawandy	604	20	03/20/97
	U	5	8	2	7	1	8	6	10/27/98	Chen <i>et al.</i>	600	407	04/11/97
	V	5	8	6	4	0	3	5	01/26/99	Pandey <i>et al.</i>	540	472	03/06/97
<i>V</i>	W	5	8	6	5	8	4	0	02/02/99	Chen	607	92	10/22/97

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Title: **TRANSCUTANEOUS PHOTODYNAMIC TREATMENT OF TARGETED CELLS**

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<i>RJG</i>	X	5	8	7	6	4	2	7	03/02/99	Chen <i>et al.</i>	607	88	01/29/97
	Y	5	8	8	2	3	2	8	03/16/99	Levy <i>et al.</i>	604	20	12/02/96
	Z	5	9	2	1	2	4	4	07/13/99	Chen <i>et al.</i>	128	897	06/11/97
	AA	5	9	4	2	5	3	4	08/24/99	Trauner <i>et al.</i>	514	410	10/10/97
	AB	5	9	4	5	7	6	2	08/31/99	Chen <i>et al.</i>	310	171	02/10/98
	AC	5	9	5	7	9	6	0	09/28/99	Chen <i>et al.</i>	607	92	05/05/97
	AD	5	9	9	7	5	6	9	12/07/99	Chen <i>et al.</i>	607	88	01/29/97
	AE	5	9	9	7	8	4	2	12/07/99	Chen	424	129	04/13/98
	AF	6	0	8	0	1	6	0	06/27/00	Chen <i>et al.</i>	606	72	12/04/96
	AG	6	0	8	3	4	8	5	07/04/00	Licha <i>et al.</i>	424	96	11/07/97
	AH	6	0	9	2	5	3	1	07/25/00	Chen <i>et al.</i>	128	899	06/03/99
	AI	6	0	9	6	0	6	6	08/01/00	Chen <i>et al.</i>	607	88	09/11/98
	AJ	6	1	0	0	2	9	0	08/08/00	Levy <i>et al.</i>	514	410	09/14/98
	AK	6	1	0	7	3	2	5	08/22/00	Chan <i>et al.</i>	514	410	05/18/98
<i>Quins</i>	AL	6	1	3	8	6	8	1	10/13/97	Chen <i>et al.</i>	128	899	10/31/00
	AM	6	2	1	0	4	2	5	B1 04/03/01	Chen	607	88	07/08/99
	AN	6	2	1	7	8	6	9	B1 04/17/01	Meyer <i>et al.</i>	424	178.1	09/05/97
	AO	6	2	3	8	4	2	6	B1 05/29/01	Chen	607	88	07/19/99
	AP	6	2	7	3	9	0	4	B1 08/14/01	Chen <i>et al.</i>	607	88	03/02/99
	AQ	6	2	9	7	2	2	8	10/02/01	Clark <i>et al.</i>	514	177	06/18/98
	AR	6	3	1	9	2	7	3	B1 11/20/01	Chen <i>et al.</i>	607	88	12/16/99
<i>✓</i>	AS	6	3	3	1	7	4	4	B1 12/18/01	Chen <i>et al.</i>	310	171	04/11/00

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<i>RAG</i>	AT	6	3	4	4	0	5	0	B1 02/05/02	Chen	607	88	12/21/98

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB CLASS	Translation Yes No	
<i>RAG</i>	AU	0	0	1	5	2	9	6	03/23/00	PCT				
	AV	0	0	3	6	9	8	3	06/29/00	PCT				
	AW	0	0	4	1	7	2	5	07/20/00	PCT				
	AX	0	0	4	1	7	2	6	07/20/00	PCT				
	AY	0	0	4	1	7	2	7	07/20/00	PCT				
	AZ	0	0	4	1	7	6	8	07/20/00	PCT				
	BA	0	1	0	3	7	7	0	01/18/01	PCT				
	BB	0	1	0	5	3	1	6	01/25/01	PCT				
	BC	0	1	1	5	6	9	4	03/08/01	PCT				
	BD	0	1	5	1	0	8	7	07/19/01	PCT				
	BE	0	6	7	4	2	5	1	06/29/94	AU				
	BF	0	6	9	4	8	6	8	03/18/96	AU				
	BG	0	7	0	8	4	1	0	02/14/97	AU				
	BH	0	7	1	3	2	2	7	09/26/97	AU				
	BI	0	7	2	0	8	1	5	06/26/87	AU				
	BJ	0	7	2	1	8	5	7	04/28/99	AU				
	BK	9	3	1	1	6	5	7	06/24/93	PCT				
	BL	9	7	3	2	5	2	0	09/12/97	PCT				
	BM	9	8	0	6	4	5	6	02/19/98	PCT				
<i>✓</i>	BN	9	8	0	8	5	6	5	03/05/98	PCT				

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<i>RWJ</i>	BO	9	8	1	4	2	4	3	04/09/98	PCT				
	BP	9	8	2	4	3	7	1	06/11/98	PCT				
	BQ	9	8	2	4	5	1	0	06/11/98	PCT				
	BR	9	8	3	2	4	9	1	07/30/98	PCT				
	BS	9	8	3	2	4	9	2	07/30/98	PCT				
	BT	9	8	3	2	4	9	3	07/30/98	PCT				
	BU	9	8	4	6	1	3	0	10/22/98	PCT				
	BV	9	8	5	0	0	3	4	11/12/98	PCT				
	BW	9	8	5	6	3	0	2	12/17/98	PCT				
	BX	9	9	0	3	5	0	3	01/28/99	PCT				
	BY	9	9	1	8	8	7	9	04/22/99	PCT				
	BZ	9	9	2	0	3	4	6	04/29/99	PCT				
	CA	9	9	3	9	7	6	9	08/12/99	PCT				
	CB	9	9	5	2	5	6	5	12/21/99	PCT				
	CC	9	9	5	8	1	4	9	11/18/99	PCT				
<i>✓</i>	CD	9	9	6	6	9	8	8	12/29/99	PCT				

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>RWJ</i>	CE	Adilia <i>et al.</i> , "Local delivery of photosensitizing drugs in arteries: a novel approach to photodynamic therapy for the prevention of intimal hyperplasia", <i>Proc. SPIE-INT. Soc. Opt. Eng.</i> , <u>2395</u> :402-8 (1995) (Ger. Symp. Laser Angioplasty, 2nd, 1980)
<i>RWJ</i>	CF	Ciulla <i>et al.</i> , "Changing therapeutic paradigms for exudative age-related macular degeneration: antiangiogenic agents and photodynamic therapy", <i>Exp. Opin. Invest. Drugs</i> , <u>8(12)</u> :2173-2182 (1999)

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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

Rdy	CG	Dartsch, <i>et al.</i> , "Photodynamic therapy of vascular stenoses? Response of cultured human smooth muscle cells from non-atherosclerotic arteries and atheromatous plaques following treatment with photosensitizing porphyrins", <i>Proc. SPIE-INT. Soc. Opt. Eng.</i> , <u>1462</u> :77-80 (1990)
	CH	Dimitroff <i>et al.</i> , "Anti-angiogenic activity of selected receptor tyrosine kinase inhibitors, PD166285 and PD173074: Implications for combination treatment with photodynamic therapy", <i>Investigational New Drugs</i> , <u>17</u> :121-135 (1999)
	CI	Ferrario <i>et al.</i> , "Antiangiogenic Treatment Enhances Photodynamic Therapy Responsiveness in a Mouse Mammary Carcinoma", <i>Cancer Research</i> , <u>60</u> :4066-4069 (2000)
	CJ	Fisher, W.G. <i>et al.</i> "Simultaneous Two-Photon Activation of Type-1 Photodynamic Therapy Agents," <i>Photochem. Photobiol.</i> , <u>66(2)</u> :141-155 (1997)
	CK	McMillan <i>et al.</i> , "Tumor growth inhibition and regression induced by photothermal vascular targeting and angiogenesis inhibitor retinoic acid", <i>Cancer Lett.</i> , <u>137</u> :35-44 (1999)
	CL	Renno <i>et al.</i> , "Photodynamic Therapy Using Lu-Tex Induces Apoptosis In Vitro, and Its Effect is Potentiated by Angiostatin in Retinal Capillary Endothelial Cells", <i>Investigative Ophthalmol. & Visual Sci.</i> , <u>41(12)</u> :3963-3971 (2000)
	CM	Ruebner, A. <i>et al.</i> "Carrier Systems in PDT II: Accumulation Strategies of Biotin-Avidin Coupled Photosensitizers Developed On Cultured Tumor Cells," <i>SPIE</i> , <u>2625</u> :328-32 (1996)
	CN	Savitsky, A.P. <i>et al.</i> "Avidin-Biotin System for Targeting Delivery of Photosensitizers and Other Cytotoxic Agents Into Malignant Tissues," <i>SPIE</i> , <u>3191</u> : 243-53 (1997)
↓	CO	Sigsestad, C.P. <i>et al.</i> "Chemical Modification of Normal Tissue Damage Induced by Photodynamic Therapy," <i>Brit. J. Cancer</i> <u>74(Suppl.37)</u> :S89-92 (1996)

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